

PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/031,110
Filing Date	November 12, 2002
First Named Inventor	A. Francis Stewart
Art Unit	1633
Examiner Name	Michael D. Burkhardt
Attorney Docket Number	BB-151CT

Sheet 1 of 5

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US-5,792,633	08-11-1998	Schiestl <i>et al.</i>	All
	U2	US-			
	U3	US-			
	U4	US-			
	U5	US-			
	U6	US-			
	U7	US-			
	U8	US-			
	U9	US-			

FOREIGN PATENT DOCUMENTS

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	F1	WO 98/59060	12-30-1998	Rockerfeller University	All	
	F2	WO 99/29837	06-17-1999	Europäisches Laboratorium für Molekularbiologie	All	
	F3					
	F4					
	F5					
	F6					
	F7					

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Application Number	10/031,110
Filing Date	November 12, 2002
First Named Inventor	A. Francis Stewart
Group Art Unit	1633
Examiner Name	Michael D. Burkhart
Attorney Docket Number	BB-151CT

Sheet 2 of 5

NON PATENT LITERATURE DOCUMENTS

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	R1	Ausubel et al. (eds.), 1988, Current Protocols in Molecular Biology, vol. 1, Green Publishing Associates and John Wiley & Sons, NY, pp. 2.10-2.10.16.	
	R2	Bhargava J, et al., "pPAC-ResQ: A yeast-bacterial shuttle vector for capturing inserts from P1 and PAC clones by recombinogenic targeted cloning", Genomics. Mar. 15, 1999;56(3):337-9.	
	R3	Bubeck P et al., "Rapid cloning by homologous recombination in vivo", Nucleic Acids Res. Jul. 25, 1993;21(15):3601-2.	
	R4	Chartier C et al., "Efficient generation of recombinant adenovirus vectors by homologous recombination in Escherichia coli", J Virol. Jul. 1996;70(7):4805-10.	
	R5	Degryse E., "In vivo intermolecular recombination in Escherichia coli: application to plasmid constructions", Gene. Apr. 17, 1996;170(1):45-50.	
	R6	Gillen JR et al., "Characterization of the deoxyribonuclease determined by lambda reverse as exonuclease VIII of Escherichia coli", J Mol Biol. Jun. 15, 1977;113(1):27-41.	
	R7	Gillen JR et al., "Genetic analysis of the RecE pathway of genetic recombination in Escherichia coli K-12", J Bacteriol. Jan. 1981;145(1):521-32.	
	R8	Grunstein M et al., "Colony hybridization: a method for the isolation of cloned DNAs that contain a specific gene", Proc Natl Acad Sci U S A. Oct. 1975;72(10):3961-5.	
	R9	Hall and Kolodner, 1994, "Homologous pairing and strand exchange promoted by the Escherichia coli RecT protein", Proc Natl Acad Sci U S A. Apr. 12, 1994;91(8):3209-9.	
	R10	Hall SD et al., "Identification and characterization of the Escherichia coli RecT protein, a protein encoded by the recE region that promotes renaturation of homologous single-stranded DNA", J Bacteriol. Jan. 1993;175(1):277-87.	
	R11	Hallett B et al., "Transposition and site-specific recombination: adapting DNA cut-and-paste mechanisms to a variety of genetic rearrangements", FEMS Microbiol Rev. Sep. 1997;21(2):157-78.	
	R12	He TC et al., "A simplified system for generating recombinant adenoviruses", Proc Natl Acad Sci U S A. Mar. 3, 1998;95(5):2509-14.	

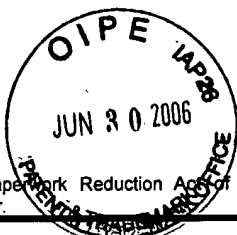
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Application Number	10/031,110
Filing Date	November 12, 2002
First Named Inventor	A. Francis Stewart
Group Art Unit	1633
Examiner Name	Michael D. Burkhart
Attorney Docket Number	BB-151CT

Sheet

3

of

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NON PATENT LITERATURE DOCUMENTS

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	R13	Helinski et al., 1996, Escherichia coli and Salmonella: Cellular and Molecular Biology, 2.sup.nd edition, Niedhardt (ed.), ASM Press, Washington, ISBN 1-55581-084-5.	
	R14	Jermutus L et al., "Recent advances in producing and selecting functional proteins by using cell-free translation", Curr Opin Biotechnol. Oct. 1998;9(5):534-48.	
	R15	Joseph and Kolodner, "Exonuclease VIII of Escherichia coli. I. Purification and physical properties", J Biol Chem. Sep. 10, 1993;258(17):10411-7.	
	R16	Keim and Lark, "The RecE recombination pathway mediates recombination between partially homologous DNA sequences: structural analysis of recombination products", J Struct Biol. 1990 Jul.-Sep.;104(1-3):97-106.	
	R17	Kmiec and Hollomon, "Beta protein of bacteriophage lambda promotes renaturation of DNA", J Biol Chem. Dec. 25, 1981;256(24):12636-9.	
	R18	Kolodner R, "Homologous pairing proteins encoded by the Escherichia coli recE and recT genes", Mol Microbiol. Jan. 1994;11(1):23-30.	
	R19	Little JW., "An exonuclease induced by bacteriophage lambda. II. Nature of the enzymatic reaction", J Biol Chem. Feb. 25, 1967;242(4):679-86.	
	R20	Luisi-DeLuca C, "Genetic and physical analysis of plasmid recombination in recB recC sbcB and recB recC sbcA Escherichia coli K-12 mutants", Genetics. Jun. 1989;122(2):269-78.	
	R21	Messerle M et al., "Cloning and mutagenesis of a herpesvirus genome as an infectious bacterial artificial chromosome", Proc Natl Acad Sci U S A. Dec. 23, 1997;94(26):14759-63.	
	R22	Miller, 1992, A Short Course in Bacterial Genetics, Cold Spring Harbor Laboratory Press, NY, pp. 10.4-10.11.	
	R23	Mullins LJ et al., "Efficient Cre-lox linearisation of BACs: applications to physical mapping and generation of transgenic animals", Nucleic Acids Res. Jun. 15, 1997;25(12):2539-40.	
	R24	Muniyappa and Radding, "The homologous recombination system of phage lambda. Pairing activities of beta protein", J Biol Chem. Jun. 5, 1986;261(16):7472-8.	

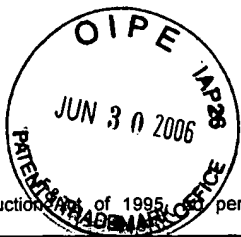
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First Named Inventor	A. Francis Stewart
Group Art Unit	1633
Examiner Name	Michael D. Burkhart
Attorney Docket Number	BB-151CT

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	R25	Murphy KC, "Lambda Gam protein inhibits the helicase and chi-stimulated recombination activities of Escherichia coli RecBCD enzyme", J Bacteriol. Sep. 1991;173(18):5808-21.	
	R26	Muyers JP et al., "Rapid modification of bacterial artificial chromosomes by ET-recombination", Nucleic Acids Res. Mar. 15, 1999;27(6):1555-7.	
	R27	Nunes-Duby SE et al., "Similarities and differences among 105 members of the Int family of site-specific recombinases", Nucleic Acids Res. Jan. 15, 1998;26(2):391-406.	
	R28	Nussbaum A, "Restriction-stimulated homologous recombination of plasmids by the RecE pathway of Escherichia coli", Genetics. Jan. 1992;130(1):37-49.	
	R29	Oliner JD et al., "In vivo cloning of PCR products in E. coli", Nucleic Acids Res. Nov. 11, 1993;21(22):5192-7.	
	R30	Passy SI et al., "Rings and filaments of beta protein from bacteriophage lambda suggest a superfamily of recombination proteins", Proc Natl Acad Sci U S A. Apr. 13, 1999;96(8):4279-84.	
	R31	Poteete AR and Fenton AC, "DNA-binding properties of the Erf protein of bacteriophage P22", J Mol Biol. Jan. 15, 1983;163(2):257-75.	
	R32	Radding and Carter, "The role of exonuclease and beta protein or phage lambda in genetic recombination. 3. Binding to deoxyribonucleic acid", J Biol Chem. Apr. 25, 1971;246(8):2513-8.	
	R33	Raymond CK et al., "General method for plasmid construction using homologous recombination", Biotechniques. Jan. 1999; 26(1):134-8, 140-1.	
	R34	Reyrat JM et al., "Counterselectable markers: untapped tools for bacterial genetics and pathogenesis", Infect Immun. Sep. 1998;66(9):4011-7.	
	R35	Ringrose L et al., "The Kw recombinase, an integrase from Kluyveromyces waltii", Eur J Biochem. Sep. 15, 1997;248(3):903-12.	
	R36	Sauer B., "Site-specific recombination: developments and applications", Curr Opin Biotechnol. Oct. 1994;5(5):521-7.	

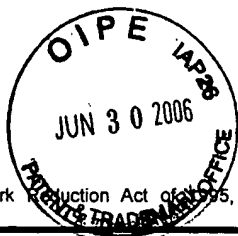
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	R37	Stark WM et al., "Catalysis by site-specific recombinases", Trends Genet. Dec. 1992;8(12):432-9.	
	R38	Szostak JW et al., "The double-strand-break repair model for recombination", Cell. May 1983;33(1):25-35.	
	R39	Utatsu I et al., "Yeast plasmids resembling 2 micron DNA: regional similarities and diversities at the molecular level", J Bacteriol. Dec. 1987;169(12):5537-45.	
	R40	Yang XW et al., "Homologous recombination based modification in Escherichia coli and germline transmission in transgenic mice of a bacterial artificial chromosome", Nat Biotechnol. Sep. 1997;15(9):859-65.	
	R41	Zhang Y et al., "A new logic for DNA engineering using recombination in Escherichia coli", Nat Genet. Oct. 1998;20(2):123-8.	
	R42	Zhang et al., "DNA cloning by homologous recombination in Escherichia coli", Nat Biotechnol 2000 Dec; 18(12):1314-7.	
	R43	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) Genbank Accession No. J02459. Bacteriophage lambda, complete genome. Apr. 10, 1996. Accessed on: Jan. 4, 2000.	
	R44	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) Genbank Accession No. M24905. Escherichia coli racC and recE genes, complete cds and 5' end. Database [Online]. Last update: Nov. 10, 1993. Accessed on: Jan. 4, 2000.	
	R45	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) Genbank Accession No. L23927. Escherichia coli exonuclease VIII (recE) gene, 3' end, and recT gene, complete cds. Database [Online]. Last update: Jan. 31, 1994. Accessed on: Jan. 4, 2000.	
	R46	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) Genbank Accession No. M17233. Bacteriophage lambda, complete genome. Database [Online]. Last update: Apr. 10, 1996. Accessed on: Jan. 4, 2000.	
	R47	www.expasy.ch/sprot/ (SWISS-PROT Annotated protein sequence database TrEMBL Computer-annotated supplement to Swiss-Prot) SWISS-PROT Accession No. P15033. RACC_ECOLI. Database [Online]. Last update: Apr. 14, 1990. Accessed on: Jan. 4, 2000.	
	R48	www.expasy.ch/sprot/ (SWISS-PROT Annotated protein sequence database TrEMBL Computer-annotated supplement to SWISS-PROT) SWISS-PROT Accession No. P33228. RECT_ECOLI. Database [Online]. Last update: Feb. 28, 1994. Accessed on: Jan. 4, 2000.	

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